

Rocky Flats envision

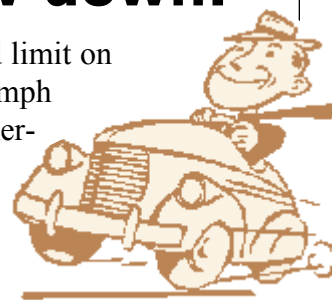
Make it safe. Clean it up. Close it down.

Sept. 7, 2004

Volume 10, Number 13

Slow down!

The speed limit on site is 15 mph unless otherwise posted.



The Trackmobile® will be used to transport Intermodal and gondola-style cars containing low-level waste to a Union Pacific staging area for shipment to Envirocare in Utah. The rail-car movers have a set of steel rail-wheels and rubber-tire road wheels. The vehicle allows operators to drive to a location and mount the rails, lower the rail wheels and raise the road wheels, and couple to rail cars.

Rocky Flats' low-level waste to go by rail

Rocky Flats will soon begin shipping some of its low-level radioactive waste by rail to Envirocare in Utah instead of by truck.

In the future, the volume of low-level radioactive waste is projected to significantly increase as workers bring down B776/777.

"We needed to find a more efficient way to get the building rubble to Envirocare, and rail shipment fills that bill," said Jerry Long, Material Stewardship project manager. "Large rail cars are more suitable to ship the rubble than the smaller containers we currently use."

Low-level waste contains less than 100 nanocuries of radioactivity per gram. The waste that will be sent to Envirocare will typically measure less than one nanocurie per gram, well below Envirocare's 10 nanocurie per gram acceptance criteria.

Using rail cars to ship low-level radioactive waste has a number of advantages over shipping by truck.

Shipping by rail will significantly reduce the time Rocky Flats workers spend size-reducing rubble and other demolition waste to fit in trucks, which in turn reduces the chances of serious injuries.

Currently, more than 165 low-level radioactive waste shipments leave the site each week by truck. A single rail car holds as much as 100 tons, the equivalent of up to seven truckloads of waste. Shipping low-level radioactive waste by rail will remove as many as 5,000 trucks from Colorado's roadways.

Rail shipment is also more cost-effective; savings ranging from \$7 to \$16 million.

The site plans to use a variety of rail cars to ship the waste, including gondo-

la-style cars with fiberglass lids and Intermodals carried on flatbed cars.

Once off site, rail cars will travel southeast through Arvada and unincorporated Adams County, entering the Denver city limits just north of I-70 and west of I-25 where the cars will be staged to create larger trains. From Denver, the shipments will travel through Brighton, Greeley, Ault, Pierce and Nunn, Colo., to reach Cheyenne, Wyo., where they will head west to Clive, Utah. This route is similar to the route taken by trucks.

Once the waste leaves Rocky Flats, the railroad will assume responsibility in the event of an accident and will follow their established Hazardous Materials Response Plan. The DOE Radiological Assistance Program will support the railroad in the event of an accident. All shipments will meet applicable state and federal regulations. *by Endvision Staff*

Employees prepare for next K-H Job Fair

Employees are making appointments at the Career Transition Center (CTC) and getting their resumes updated on www.KHecareer.com for the fifth K-H job fair at the end of September.

The job fair is a two-day event and will feature DOE contractors and local employers.

- Sept. 23, 2004, 4 - 8 p.m.
- Sept. 24, 2004, 9 a.m. - 1 p.m.

Arvada Center for the Arts and Humanities
6901 Wadsworth Blvd., Arvada

Watch for fliers and posters for a list of employers who will be attending the event.

FACTOID

About 13 percent of northern Colorado companies hired additional workers during the fourth quarter of this year. Jobs were in manufacturing, finance, real estate and services.

Based on a recent Manpower survey.

After Rocky Flats

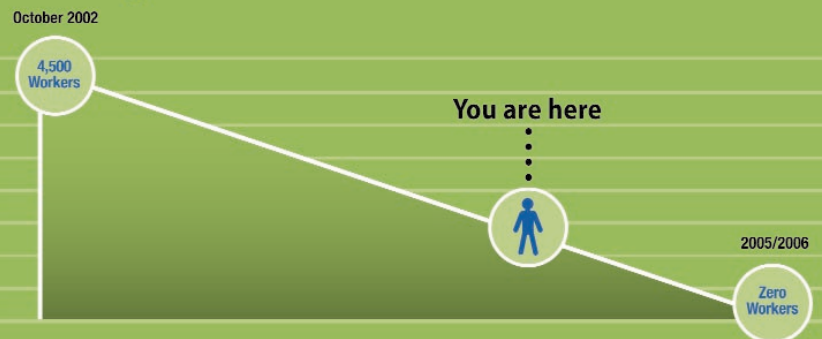
More than 160 Rocky Flats workers who have departed since October 2002 say they found employment elsewhere in the DOE complex. The top new employers include:

- Los Alamos
- Savannah River Site
- Nevada Test Site
- Oak Ridge
- Pantex
- BNFL
- Eberline
- Fluor Hanford

Tomorrow is Sooner Than You Think

Start planning your future today.

Rocky Flats Workforce Reduction Plan



The Career Transition Center provides the skills, tools and opportunities you'll need before and after being notified.



Counselors and resources available Monday through Friday 7am to 4pm with evening hours on Wednesday. Online help and phone consultation also available.

The Career Transition Center located in The Rocky Flats Visitor Center
www.KHecareer.com • 303-699-8400 • ctc@rfets.gov

Is a move in your future?

One of the questions many employees must ask themselves when determining their career transition is whether or not they are willing to move for a job. Some do not want to move because they have family nearby, or they just love Colorado.

Some employees have decided they want to stay within the DOE weapons complex and are looking for jobs at other sites.

The decision to relocate involves a complex set of financial, personal and emotional variables. There are many factors to consider when looking for a job in another city, including the cost of living and relocation expenses, the job market and quality of schools. The Career Transition Center (CTC) has a wealth of information and resources available,

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MOVE

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including how to move and choosing a mover to Web sites with information about a new location.

Most employees say that their main concern is staying employed. The CTC recommends being open to new challenges. If you are considering a move, are you also willing to try a different job? According to USAA magazine, the most portable careers are teaching, health care, foreign language interpreting and translating, writing, editing and publishing, freelance contract work and computer careers such as Web design. Traditional high-demand careers, like nursing and teaching, are generally readily available wherever you relocate, but often require new state licensing. Other portable professions include real estate, retail and telecommunications.

Switching careers can mean going back to school or retraining. Contact the CTC at x8400, for information on tuition reimbursement. *by Bill Badger*

GET IN SHAPE

this year with 24-Hour Fitness

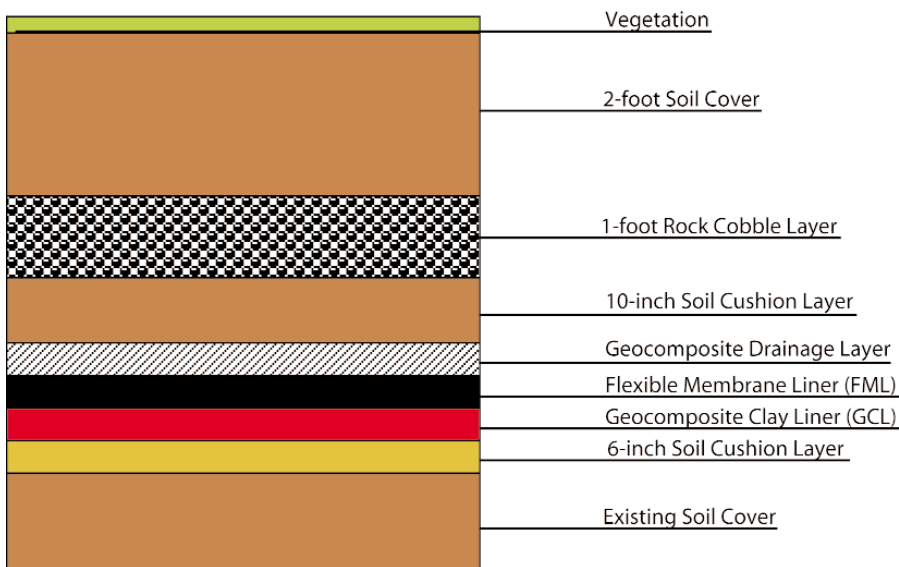
All Rocky Flats employees are eligible for a discounted corporate membership with 24-Hour Fitness clubs. No contract or long-term commitments.



- No enrollment fee (\$296 savings)
- Discounted one-time processing fee \$29 (\$50 savings)
- Discounted monthly dues of \$39

To sign up, contact Tiffanie Trenck
303-910-0278 or
ttrenck@24hourfit.com

Composition of Present Landfill Cover



DOE, EPA and CDPHE sign Present Landfill agreement, work begins

On Aug. 26, the DOE, EPA and Colorado Department of Public Health and Environment (CDPHE) signed an agreement outlining the required steps for closing the site's Present Landfill, located north of the 700 area.

"Thanks to the longstanding cooperation of the DOE, EPA and CDPHE, a permanent closure method to ensure the long-term safety of surrounding communities was developed and will be installed," said Bob Davis, Present Landfill (OU-4) Accelerated Action project manager.

The Interim Measure/Interim Remedial Action (IM/IRA) calls for installing a cover over the landfill surface, modifying the existing seep treatment system at its east end and remediating the bordering pond. Sediments removed from the pond will be solidified and placed under the landfill cover.

The cover will be constructed by placing an impermeable, geosynthetic liner over the surface. Then alternating layers of soil and rock will be added. Finally, the area will be reseeded. Work began in late August and is scheduled to be completed by January 2005.

The Present Landfill, occupying 20 acres in the North Buffer Zone, opened

in August 1968 and was used to dispose of solid waste, including office trash, rags, personal protective equipment (PPE), construction and demolition debris, used filters and electrical components. The Present Landfill operated until March 1998, at which time an interim cover was installed for contingent closure and the area was reseeded.

Groundwater monitoring over the last 18 years shows that the landfill has not impacted downgradient groundwater quality. Current sampling indicates that the groundwater contaminant concentrations are below Rocky Flats Cleanup Agreement (RFCA) action levels.

Negotiations are currently under way on the IM/IRA for the Original Landfill, located south of B460. A preliminary remediation assessment includes covering the surface with 2 feet of soil and installing buttress fill on the south end of the landfill for structural stability. IM/IRA approval is expected in December with construction beginning in January 2005. *by Jackie Powers*

Iron Woman brings diverse fleet to RF

Iron Woman Construction and Environmental Services recently joined the Rocky Flats waste shipping team.

The American Indian, woman-owned company's diverse fleet of trucks and trailers includes side-dumps, end-dumps, belly-dumps, tandems and light-weight material trailers. The flexibility of their fleet makes shipping easier.

The white, 62-yard end-dump trailer pictured at right, holds three times more waste than a normal trailer. The trucks will be used to haul non-radioactive demolition debris.



34-year-old B750 comes down

The slab (at left) is all that remains of the B750 cafeteria where many Rocky Flats workers had lunch or attended meetings.

RISS began B750 demolition on the north side of the building. The cafeteria came down on Aug. 10. Workers demolished the rest of the building on Saturday, Aug. 28.

According to Harry Linsinbigler, RISS D&D project manager, workers spent three months preparing the 57,170 square-foot building for a job that was completed in a couple days.

Businesses add more traffic to already busy road

Private business is booming near the west gate, making an already busy road even more congested. The Centennial Aggregate gravel mining operation along the West Access Road has large gravel trucks coming and going all day long. South of the West Access Road, well-digging crews came and went in July and a new landscaping sales yard between the 120 Post and the B060 Visitors Center is attracting customers.

When you add increased railroad traffic and the high volume of shipping from Rocky Flats, it makes it even more important to stay alert and watch your speed when entering or leaving the site through the west gate.

Excess speed likely caused a water tanker (at right) to overturn when turning right onto the West Access Road from northbound Highway 93 the morning of Aug. 17, 2004. The tanker was delivering water to the gravel mining operation. The driver suffered minor injuries to the right elbow and was transported to a local hospital.



Site transfers HAZMAT vehicle to Arvada

The Rocky Flats Fire Department recently transferred its HAZMAT vehicle and associated gear to the Arvada Fire Protection District in exchange for hazardous materials response services through closure.

Firefighters, DOE, K-H, City of Arvada representatives, and citizens attended the formal transfer ceremony at Arvada's Fire Station No. 8 on Friday, Aug. 20. DOE Rocky Flats Project Office Assistant Manager Joe Legare acknowledged the collaborative efforts necessary to make this happen.

"The transfer of such an important resource is a clear indicator of how close we are to closure," Legare said.

Rocky Flats Fire Department Chief Tim Parker added that the transfer of equipment benefits more than the community of Arvada.

"We pursued this agreement, first and foremost, with the intent of safety for the site employees and the citizens in the region," said Parker.

The site transferred a Hazardous Materials (HAZMAT) vehicle, a 24-foot trailer, portable shelters, pumps, tools, SCBA gear and various hazardous materials test and spill cleanup kits for materials such as anthrax and mercury.

"The transfer of such an important resource is a clear indicator of how close we are to closure."

— Joe Legare
RFPO Assistant Manager



From left, Arvada Fire Protection District personnel; Joe Legare, DOE; Arvada Councilwoman Lorraine Anderson; Arvada Fire Chief Paul Dextras; Rocky Flats Fire Chief Tim Parker and Glen Grove of the Adams and Jefferson County Hazardous Response Authority.

The exchange of equipment for service is the outcome of a two-year effort resulting in an Automatic Assistance Agreement between Rocky Flats and the Arvada Fire Protection District. While the Rocky Flats Fire Department will retain its abil-

ity to respond to minor hazardous material spills and incidents, the Arvada Fire Protection District will be the primary hazardous material responder for the site.

"This agreement not only benefits the taxpayers, it helps fill a gap in services for northwest Jefferson County," said Arvada Fire District Chief Paul Dextras. "We are excited to be partnering with the Rocky Flats Fire Department."

by Bill Badger

SSOC: 1.5 million hours without injury

The employees of Safe Sites of Colorado (SSOC) reached a significant safety milestone in June 2004 by working 1.5 million hours without an injury or illness that resulted in a day away from work. SSOC was created in 1994 to help K-H with cleanup. SSOC is owned by Washington Group International and BWXT.

SSOC employees have been working without a lost-time injury since 2001 and have successfully maintained a low recordable case rate.

During its 10-year history, SSOC managed several of the plutonium processing facilities, residues projects and

safeguarded the plutonium inventory. SSOC continues to provide environmental remediation, D&D and waste management services at the site.

Nancy Tuor, K-H president and CEO, recognized the safety accomplishment by congratulating Ann Tyson, SSOC president.

"It is companies like SSOC with their strong safety performance and dedicated work force that have made the cleanup and closure of the Rocky Flats site a success. We look forward to our continued relationship with SSOC through the next year," Tuor said.



At left, SSOC President Ann Tyson and K-H President and CEO Nancy Tuor.

RF lung counter now supports CSU rad programs

Rocky Flats installed its first lung counter in 1964 to check workers for potential inhaled radiological material. Now forty years later, the DOE is ensuring that this technology will continue serving the people of Colorado and the nation.

DOE transferred all of the equipment in one of the lung counter systems to Colorado State University (CSU) in August. The equipment will be used for future homeland security and research applications.

The lung counter equipment consists of detectors, electronics, cameras, cabling, a liquid nitrogen system and a special chair. The steel room housing the equipment, the computers and software associated with the system were not transferred to CSU, which already has these components.

The transfer is a by-product of a longstanding relationship between Rocky Flats and CSU that began in the late 1960s, according to Dr. Robert Bistline, DOE health physicist and program manager.

"We've worked together on a number of special studies over the years, starting with studies funded by Rocky Flats on the effectiveness of chelation therapy for treating radiological uptakes," Bistline said. "Lots of masters and doctoral thesis have been written over the years on Rocky Flats studies."

In fact, both Bistline and Steve



Rocky Flats lung counting equipment has a new home at Colorado State University, where it will be used for Department of Homeland Security and university research applications.

Baker, K-H Radiological Health manager, are graduates of CSU's health physics program.

CSU asked for the equipment to supplement a Department of Homeland Security grant the school obtained to upgrade software for their existing lung counter facility, according to Jim Abraham, radiation safety officer for CSU Environmental Health Services.

"We were awarded a \$20,000 grant through the Larimer County Sheriff's Department, based on a request from the Poudre Valley Fire Authority, so we could provide whole-body counting capability in the event of a radiological event," said Abraham. "We used the

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WW I battleships still serve at Rocky Flats

Part of Rocky Flats' historic mission was developing cutting edge technology used to build nuclear weapons components. But part of that technology relied on equipment built around the turn of the 20th century.

The site installed its first lung counter in 1964 to detect the presence of inhaled radiological materials. In 1968 a second lung counter was installed, then two more in 1970.

Detecting the extremely low-energy photons emitted by transuranic material requires extremely sensitive equipment and a very low radiation environment to prevent background radiation from interfering with the detectors. The perfect environment is a steel room; but just not any steel would work. Steel forged after World War II contains background radiation from nuclear fallout and recycled radium painted on dials and meters. In order to avoid the inherent radioactivity of new steel, the site looked to the past when building its lung counter rooms.

The amount of steel required to create a lung counter room is

enormous. Each room weighs 64 tons. The doors alone weigh 8 tons each. The first two steel lung-counter rooms manufactured for Rocky Flats were built from scrapped World War I battleships.

When the site wanted to build two more steel rooms in 1979 to house the last two lung counters, no more battleships were available. After an extensive search, the manufacturer found some old railroad trolley cars built prior to World War II that met the background radiation requirements and melted them down for steel.

A lung counter and steel room from Rocky Flats was donated to Russia in 1999. The site's final three lung-counter rooms are destined for Idaho National Engineering and Environmental Laboratory (INEEL) to support future DOE operations.

Demolition of B122, the former home of Occupational Medicine and the remaining three lung counters, is scheduled to begin on Sept. 13, 2004. Once the building is torn down, a crane crew will dismantle and remove the steel rooms. *by Bob Darr*



From left, former RFCSS General Manager Jim Williams, Sal Alonzo, Dave Martin, Sal Olguin and RISS IH&S Manager Frank Rukavina.

Contact with 13 kV line averted

Rocky Flats Closure Site Services (RFCSS) employees Dave Martin, Sal Olguin and Sal Alonzo, were recently recognized for their quick thinking and response to an incident on June 23, 2004. The trio received K-H Level II safety awards, monetary awards from RFCSS and personal recognition at the RFCSS senior staff meeting on July 21, 2004.

While unloading gravel for the B444 parking lot, the elevated hydraulic bed of an end-dump truck came within 2 feet of an energized overhead 13.8 kV power line. Dave Martin, who was standing outside T444C releasing work for the day, was alerted to the impending power hit by Sal Olguin. Dave ran toward the scene and stopped the driver before he made contact with the line.

Sal Alonzo was also waiting in line to dump his gravel load when he noticed the problem and radioed the driver to stop before the line was hit.

Do you

have a story or memory of

Rocky Flats you'd like to tell?

Do you

have personal artifacts or memorabilia you'd like to share?

Be a part of the Rocky Flats legacy

@

www.rockyflatscoldwarmuseum.org

LUNG COUNTER

Continued from Page 6

money for new software, then started looking at how we could upgrade our detectors and other equipment."

Abraham said the school has a steel room with 20-year-old detectors, but it couldn't be used to its full capacity with their existing software. The school's radiological instrument programs currently support more than 1,200 people in radiological studies, including 700 who are monitored with dosimetry badges.

When he heard that Rocky Flats would be getting rid of its lung counters, he contacted Bistline and Bruce Wallin, DOE radiation safety officer, to see if there was any way to acquire the equipment, which is much newer than CSU's. New detectors and equipment are estimated to cost more than \$400,000.

Abraham contacted Rocky Flats last February and Bistline; Baker; Wallin; Gene Potter, Kaiser-Hill Internal

Dosimetry and Hannah Marschall, Property Management manager, all pitched in to get the equipment cleared as excess and released to make a direct transfer to the Department of Homeland Security for use at CSU.

Six months later, CSU has the equipment and is in the process of developing a national resource for Homeland Security and campus research programs.

In addition to supporting Homeland Security and research, CSU intends to apply for accreditation from the DOE Lab Accreditation Program in order to support DOE programs in the future, Abraham said.

"We'll be able to provide a valuable service for anyone who needs follow-up counting in case of a possible intake," Abraham said. "I believe it's important that we have the ability to offer this resource in our region." by Bob Darr

Worker response in 707/776/777 Project avoids serious accidents

A Level III award was presented to Willie Almazan for identifying a 13 kV transformer that was overheating behind B707. Willie quickly notified the configuration control authority (CCA), preventing a potentially catastrophic failure of the transformer.



From left, Dave Ericson, electrical manager; Steve Chestnut, electrical superintendent; Willie Almazan, electrician; Ron Shelato, safety; Ron Blea, safety manager; and Dave Melancon, foreman.



Left to right, Steve Chestnut, electrical superintendent; Harold Edgington, electrician; James Peterson, electrician; Dave Melancon, foreman; and Ron Shelato, safety.

James Peterson and Harold Edgington received Level II awards for identifying an unsupported 4-inch pipe that was coming in contact with a live electrical conduit in the B778 hallway. They quickly notified the CCA and safety. The pipe was immediately supported, preventing a potential electrical hazard and personnel injury.

declassifieds

Automobiles/Motorcycles

1969 Chevy Nova, 350 c.i., auto., new suspension/exhaust and rebuilt trans. with shift kit, nice hot rod, \$4,500. David, 303-994-2513.

1973 VW Karman Ghia, includes studded snow tires (used one season), \$2,500 or best offer. Bob, 303-582-9317.

1995 GMC ½ ton, 4X4, SL, V-8, 5-spd., A/C, 17 mpg, good condition, \$4,500 or best offer. Jeff, 303-833-3637.

1999 Subaru Outback wagon, one owner, 79,000 miles, auto, satellite radio with 5-mos. pre-paid service left on contract, extra snow tires, silver two-tone paint, great car, maintenance and service records avail., \$10,500 obo. Julia, 303-679-8233 before 9 p.m.

2002 Mini Cooper, 36,000 miles, A/C, 5-spd., FWD, leather, AM/FM/CD. Med, 303-674-2378.

2002 Hyundai Elantra GT, 5-spd., 25,000 miles, 10-yr./

100,000 mile warranty, sun-roof, leather interior, CD, 30 mpg, very good condition, \$10,500. David, 303-420-2517.

2003 Dodge Neon, SXT, 17,000 miles, warranty, \$10,500. Greg, 303-666-5062.

2003 Honda XR250R 4-stroke and 2003 Honda CRF150R 4-stroke, still under break-in miles, call if interested. Jason, 303-644-5182.

Miscellaneous

For sale by owner, 3-bdrm., 2-bth., Old Town Erie, fresh paint, newly remodeled bathrooms, new carpet in basement, must see, seller pays \$3,000 toward closing. Wendi, 303-833-1610.

Neon sign, Coors Silver Bullet, no longer in production, \$120, call and leave message. Richard, 303-420-3424.

Baby crib, like new, Italian "Pali" maple, 2-tone, storage drawer, Sealy Crown Jewel mattress, \$350/offer. Steve, 303-456-5334.

Broncos tickets to all games except Raiders, face value, \$52. Greg, 303-915-8369.

Stand-up washer-dryer pair, Kenmore, great condition, \$350 or best offer. Jessica, 307-399-4776.

Kenmore self-cleaning gas range; 16-in. aluminum truck wheels; ping-pong table; Evinrude 6 hp outboard. T.J., 303-466-5340.

Wanted

Help Rishel Middle School students get needed supplies.

The school serves two of the most economically disadvantaged areas in Denver. More than 94 percent of the students are in the free-lunch program. One of the teachers said most children come to school without supplies. **Needed:** 1-in. white view binders, #2 pencils, blue/black pens, pencil bags, loose-leaf notebook paper, plastic assorted color pocket binders, colored markers/pencils, notebooks, glue sticks or bottles, construction paper,

pocket folders, Kleenex. Contact Bob Darr, x7412 or drop off donations in T130B, cube 78.

4X4, ATV in good condition. Bill, 303-916-6043.

Sofa in good condition, have truck to pick up. Linda, 303-906-9146.

Trailers/Campers/Boats

1990 Lance LC580/10.6, aluminum sided, self contained, extended cab, queen bed, well maintained \$5,000 or best offer. Jeff, 303-430-8703.

1989 19.5-ft., Bayliner Capri, Cuddy cabin, new upholstery, 2 extra props (dif. pitch), Bimini top and toys, \$4,200 or best offer. Yong, 720-351-9571.

Fiberglass topper, lined, tinted, rear slider, burgundy (sunfire red), fits 95-05 Tacoma x-cab, great shape, \$400; Toyota bed liner, great shape, \$150. James, 303-254-8836.

Declassifieds

- Only Rocky Flats site employees are eligible to place ads.
- Please use the form at right to submit your ad. Or send your ad via e-mail to Jackie Powers, or via the Intranet (Home Page/News & Info/Communication Division/Declassifieds).
- Ads should be no more than 20 words.
- Check category in which the ad is to be included.
- Home phone numbers must be used in the ads, except for items in the Lost/Found and Vanpools/Carpools categories.
- Site extension must be included (in case information needs to be verified).
- Only one ad per issue (ads will not be re-run unless they are resubmitted).
- Ads for garage sales or personal businesses will not be run.
- Ads for real estate can be placed only by owners and will include the phrase "for sale by owner."
- No ads for guns/other weapons will be accepted.
- Mail or bring ads to T130B, Cube 80.
- Declassifieds are accepted on a first-come basis.
- Deadline is six working days before the desired publication date.
- Employees who submit fictitious ads will be subject to disciplinary action based on company standards of conduct.

Category (check one)

- **Animals**
- **Automobiles/Motorcycles**
- **Lost/Found**
- **Miscellaneous**
- **Trailers/Campers/Boats**
- **Vanpools/Carpools**
- **Wanted**

Text:

Name (first and last): _____

Home phone: _____

Site extension: _____

endvision

is published every other week for the benefit of all Rocky Flats employees. We invite your letters to the editor, story suggestions and comments. The deadline for approved stories is 10 a.m. on the Monday following AWS-Friday.

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